

L Number	Hits	Search Text	DB	Time stamp
3	10	chloromandelonitrile	USPAT; EPO; JPO; DERWENT	2001/08/08 13:00
4	861236	crystal\$	USPAT; EPO; JPO; DERWENT	2001/08/08 13:01
5	5	crystal\$ and chloromandelonitrile	USPAT; EPO; JPO; DERWENT	2001/08/08 13:25
6	244492	benzene	USPAT; EPO; JPO; DERWENT	2001/08/08 13:26
7	2	benzene and (crystal\$ and chloromandelonitrile)	USPAT; EPO; JPO; DERWENT	2001/08/08 13:43
8	2	("5714357").PN.	USPAT; EPO; JPO; DERWENT	2001/08/08 13:43
10	356	phenyllactic	USPAT; EPO; JPO; DERWENT	2001/08/08 14:43
11	58574	nitrile	USPAT; EPO; JPO; DERWENT	2001/08/08 14:46
12	38	phenyllactic and nitrile	USPAT; EPO; JPO; DERWENT	2001/08/08 14:49
13	192821	enzym\$	USPAT; EPO; JPO; DERWENT	2001/08/08 14:51
14	28	(phenyllactic and nitrile) and enzym\$	USPAT; EPO; JPO; DERWENT	2001/08/08 14:59
15	896	hydroxyacid	USPAT; EPO; JPO; DERWENT	2001/08/08 15:00
16	375	("562/470").CCLS.	USPAT; EPO; JPO; DERWENT	2001/08/08 15:06
17	0	("111 and 113").PN.	USPAT; EPO; JPO; DERWENT	2001/08/08 15:06

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L3	10	chloromandelonitrile	USPAT; EPO; JPO; DERWENT	2001/08/08 13:00
2	BRS	L4	861236	crystal\$	USPAT; EPO; JPO; DERWENT	2001/08/08 13:01
3	BRS	L5	5	14 and 13	USPAT; EPO; JPO; DERWENT	2001/08/08 13:25
4	BRS	L6	244492	benzene	USPAT; EPO; JPO; DERWENT	2001/08/08 13:26
5	BRS	L7	2	16 and 15	USPAT; EPO; JPO; DERWENT	2001/08/08 13:43
6	IS&R	L8	2	("5714357").PN.	USPAT; EPO; JPO; DERWENT	2001/08/08 13:43
7	BRS	L10	356	phenyllactic	USPAT; EPO; JPO; DERWENT	2001/08/08 14:43
8	BRS	L11	58574	nitrile	USPAT; EPO; JPO; DERWENT	2001/08/08 14:46
9	BRS	L12	38	110 and 111	USPAT; EPO; JPO; DERWENT	2001/08/08 14:49
10	BRS	L13	192821	enzym\$	USPAT; EPO; JPO; DERWENT	2001/08/08 14:51
11	BRS	L14	28	112 and 113	USPAT; EPO; JPO; DERWENT	2001/08/08 14:59
12	BRS	L15	896	hydroxyacid	USPAT; EPO; JPO; DERWENT	2001/08/08 15:00
13	IS&R	L16	375	("562/470").CCLS.	USPAT; EPO; JPO; DERWENT	2001/08/08 15:06
14	IS&R	L17	0	("111 and 113").PN.	USPAT; EPO; JPO; DERWENT	2001/08/08 15:06

	Comments	Error Definition	Errors
1			0
2		Truncation Overflow. Return string from Server is: 5`0`0`CRY	1
3			0
4			0
5			0
6			0
7			0
8			0
9			0
10		Truncation Overflow. Return string from Server is: 5`0`0`ENZ	1
11			0
12			0
13			0
14			0

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 3 Feb 06 Engineering Information Encompass files have new names  
NEWS 4 Feb 16 TOXLINE no longer being updated  
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure  
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA  
NEWS 7 May 07 DGENE Reload  
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL  
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's  
DWPI and DPCI

NEWS EXPRESS July 11 CURRENT WINDOWS VERSION IS V6.0b,  
CURRENT MACINTOSH VERSION IS V5.0C (ENG) AND V5.0JB (JP),  
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2001

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FILE 'HOME' ENTERED AT 13:33:43 ON 08 AUG 2001

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.15

0.15

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FILE COVERS 1947 - 8 Aug 2001 VOL 135 ISS 7  
FILE LAST UPDATED: 7 Aug 2001 (20010807/ED)

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=> chloromandelonitrile

12 CHLOROMANDELONITRILE

1 CHLOROMANDELONITRILES

L1 13 CHLOROMANDELONITRILE  
(CHLOROMANDELONITRILE OR CHLOROMANDELONITRILES)

=> d l1 1-13 ti

L1 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2001 ACS

TI Microbial manufacture of .alpha.-hydroxy acids from cyanohydrins

L1 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2001 ACS

TI Heterocyclic diphenylmethane derivatives as MIP-1.alpha./RANTES receptor antagonists

L1 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2001 ACS

TI Mandelamides manufacture with microorganism from cyanhydrins

L1 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2001 ACS

TI Method of producing optically active .alpha.-hydroxy acid or .alpha.-hydroxyamide

L1 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2001 ACS

TI Stabilization of mandelonitriles

L1 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2001 ACS

TI Synthesis, structure, and physicochemical and biological properties of 2-(2,4,5-trichlorophenoxy)propionic acid derivatives

L1 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 TI Process for producing optically active alpha-hydrocarboxylic acid having phenyl group.

L1 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 TI Process for producing R(-)-mandelic acid and derivatives thereof with Rhodococcus

L1 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 TI Manufacture of S-(+)-mandelamides with microorganisms

L1 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 TI Phytotoxic metabolites of pentachlorobenzylalcohol

L1 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 TI Metabolism and degradation of pesticides

L1 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 TI Gas chromatographic determination of pentachloromandelonitrile (PCMN) in wettable powder and dust

L1 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2001 ACS  
 TI Amidines

=> crystal?

1286732 CRYSTAL?  
 255788 CRYST  
 443 CRYSTS  
 256123 CRYST  
 (CRYST OR CRYSTS)  
 68128 CRYSTD  
 12165 CRYSTG  
 171192 CRYSTN  
 1519 CRYSTNS  
 172039 CRYSTN  
 (CRYSTN OR CRYSTNS)  
 L2 1517966 CRYSTAL?  
 (CRYSTAL? OR CRYST OR CRYSTD OR CRYSTG OR CRYSTN)

=> 12 and 11

L3 1 L2 AND L1

=> d 13 1 ti fbib abs

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS  
 TI Microbial manufacture of .alpha.-hydroxy acids from cyanohydrins  
 AN 1997:801987 CAPLUS  
 DN 128:101174  
 TI Microbial manufacture of .alpha.-hydroxy acids from cyanohydrins  
 IN Hirata, Yuji; Kaneko, Makoto; Endo, Ryuichi  
 PA Nitto Chemical Industry Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 09322797 A2 19971216 JP 1996-166637 19960607  
 OS MARPAT 128:101174  
 AB R1(CH2)nCH(OH)CO2H [I; R1 = (substituted) Ph, pyridyl, furyl, etc.; n = 0-2] are manufd. by converting R1(CH2)nCH(OH)CN (R1, n = same as I) into R1(CH2)nCH(OH)CONH2 (II; R1, n = same as I) in aq. media using microorganisms having nitrile hydratase activity, subjecting the reaction mixts. contg. II and the microorganisms to acid hydrolysis, and isolating I as sol. salts by addn. of alkalies. Mandelonitrile was treated with cultured cells of Rhodococcus sp. HT 40-6 at 15.degree. and pH 7.5 for 66 h. The resulted slurry was treated with HNO3 at 80.degree. for 3 h, mixed with aq. NH3, centrifuged to remove the cells, and mixed with HNO3 to **crystallize** (S)-mandelic acid with .gtoreq.99% ee.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.78	10.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.59	-0.59

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 LOGINID:sssptal623paz  
 PASSWORD:  
 TERMINAL (ENTER 1, 2, 3, OR ?):2

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